

PTO/SB/21 (03-03)

Approved for use through 04/30/2003. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
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(to be used for all correspondence after initial filing)

Application Number 10/736,023

Filing Date December 15, 2003

First Named Inventor KAMATH et al.

Art Unit

Examiner Name

Attorney Docket Number 5853-443

Total Number of Pages in This Submission

**ENCLOSURES (Check all that apply)**

- |                                                                              |                                                                           |                                                                                         |
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| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to a Technology Center (TC)      |
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| <input type="checkbox"/> After Final                                         | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information                                        |
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| <input type="checkbox"/> Response to Missing Parts/Incomplete Application    |                                                                           |                                                                                         |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |                                                                           |                                                                                         |

**Remarks**

No fee is believed due. However, if any fee is due, the Commissioner is authorized to charge any such fee and any additional fees due or credit any overpayment to Deposit Account No. 50-0951.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual	AKERMAN SENTERFITT
Signature	Neil R. Jetter
Date	March 10, 2004

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:** KAMATH et al.

**Application No.:** 10/736,023

**Examiner:**

**Filed:** December 15, 2003

**Group Art Unit:**

**For:** LEAF SEQUENCING METHOD AND SYSTEM

CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 10, 2004.

Neil R. Jetter

Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313-1450

Date: March 10, 2004

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to the Duty to Disclose under 37 C.F.R. §1.56, Applicants hereby disclose information that may be relevant to the Examiner's consideration of the above-identified application and the patentability of its claims.

In accordance with Rules 56, 97, and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§ 1.56, 1.97, and 1.98), Form PTO/SB/08B and copies of references cited therein are submitted for consideration by the Examiner. While the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specially designated as such. Also, in accordance with 37 C.F.R. § 1.97(g), the

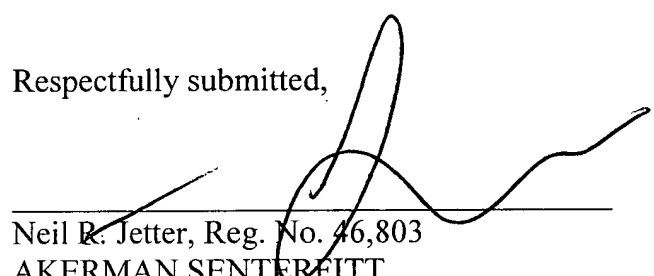
In re Application of: KAMATH et al.  
Application No.: 10/736,023  
Filed: December 15, 2003  
Group Art Unit:  
For: LEAF SEQUENCING METHOD AND SYSTEM

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filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

This Information Disclosure Statement is being filed before the issuance of a first office action on the merits of the application (37 C.F.R. 1.97(b)(3)); therefore, no fee is believed to be due. However, if any fee is due, the Commissioner is authorized to charge any such fee and any additional fees due or credit any overpayment to Deposit Account No. 50-0951.

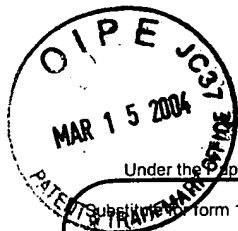
Respectfully submitted,



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Docket No. 5853-443



PTO/SB/08B (08-03)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/736,023
		Filing Date	December 15, 2003
		First Named Inventor	KAMATH et al.
		Art Unit	
		Examiner Name	
Sheet 1	of 1	Attorney Docket Number	5853-443

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		LANGER et al., "Improved leaf sequencing reduces segments or monitor units needed to deliver IMRT using multileaf collimators," Med. Phys., 28:2450-2458, 2001.	
		QUE, W., "Comparison of algorithms for multileaf collimator field segmentation," Med. Phys., 26:2390-2396, 1999.	
		QUE et al., "'Tongue-and-groove' effect in intensity modulated radiotherapy with static multileaf collimator fields," Phys. Med. Biol., 49:399-405, 2004.	
		VAN SANTVOORT et al., "Dynamic multileaf collimation without 'tongue-and-groove' underdosage effects," Phys. Med. Biol., 41:2091-2105, 1996.	
		XIA et al., "Multileaf collimator leaf sequencing algorithm for intensity modulated beams with multiple static segments," Med. Phys., 25:1424-1434, 1998.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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